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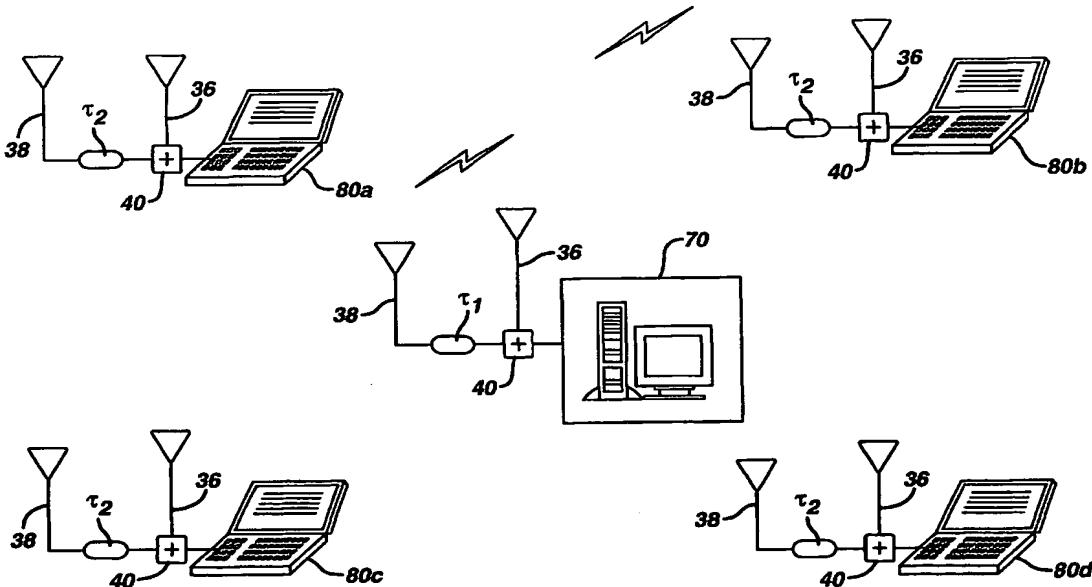
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(54) Title: **DELAY DIVERSITY IN A WIRELESS COMMUNICATION SYSTEM**



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(57) Abstract: A wireless communication system for voice or data such as a WLAN system utilizes multiple transmit antennae and multiple receive antennae. The multiple transmit antennae exhibit different delay paths and the multiple receive antennae exhibit different delay paths. The delay of one of the transmit antennae paths is different from a delay of one of the receive antennae paths. In a preferred embodiment one of the transmit antenna paths uses a non-zero value delay component of a value which differs from the value of a non-zero value delay component of one of the receive antenna paths.

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